Multiface

Moonn Electronics

Based on the Mosfetface design by the great Tim Escobedo

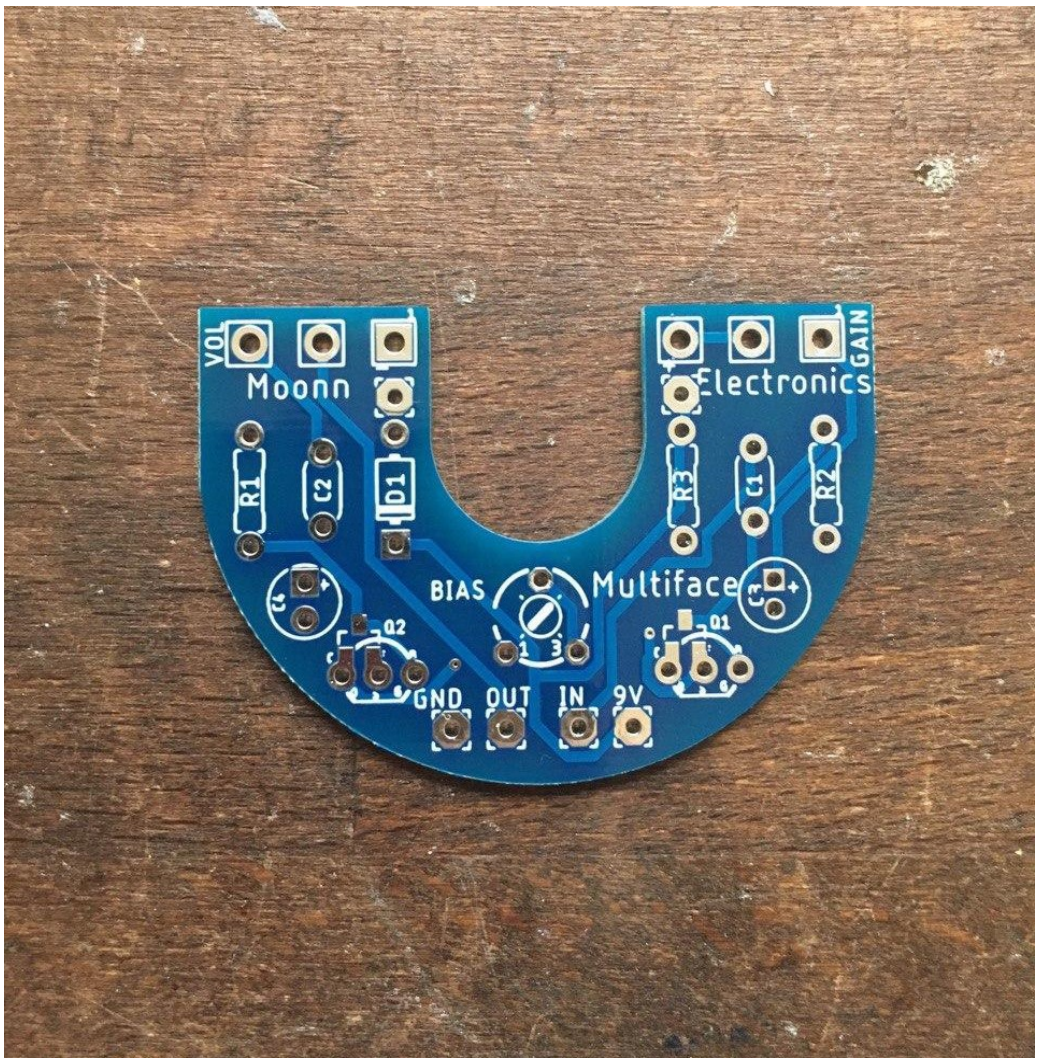
Hi!
Thank you for building me!

I am kinda experimental.
I am based on the classic silicon fuzz face schematic but if you want to get experimental you can use mosfets, jfets and and NPN germanium transistors.
The only exeption is that Q1 wouldn't accept jfets.
It's best if you just experiment but the configurations my builder liked the most are:
Q1: Mosfet (BS170) Q2: Jfet (2N5457)
Q1: NPN Germanium (AC176) Q2: Mosfet (BS170)
Just adjust the bias til your combination sounds best.

The markings about the pinout aren't visible on the PCB so please check the picture underneath the BOM on the next page.

If you have any questions or anything else to say, just write an email to
moonnelectronics@gmail.com

Have a nice day!

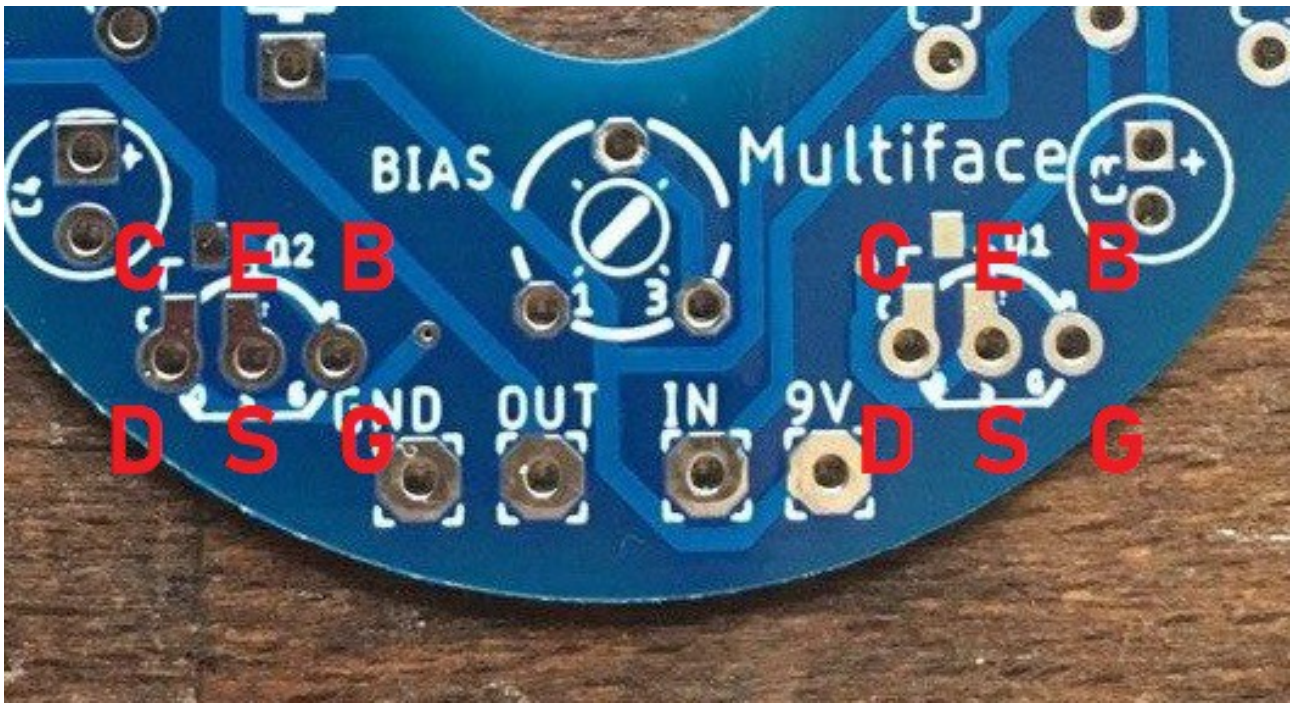


Bill of Materials

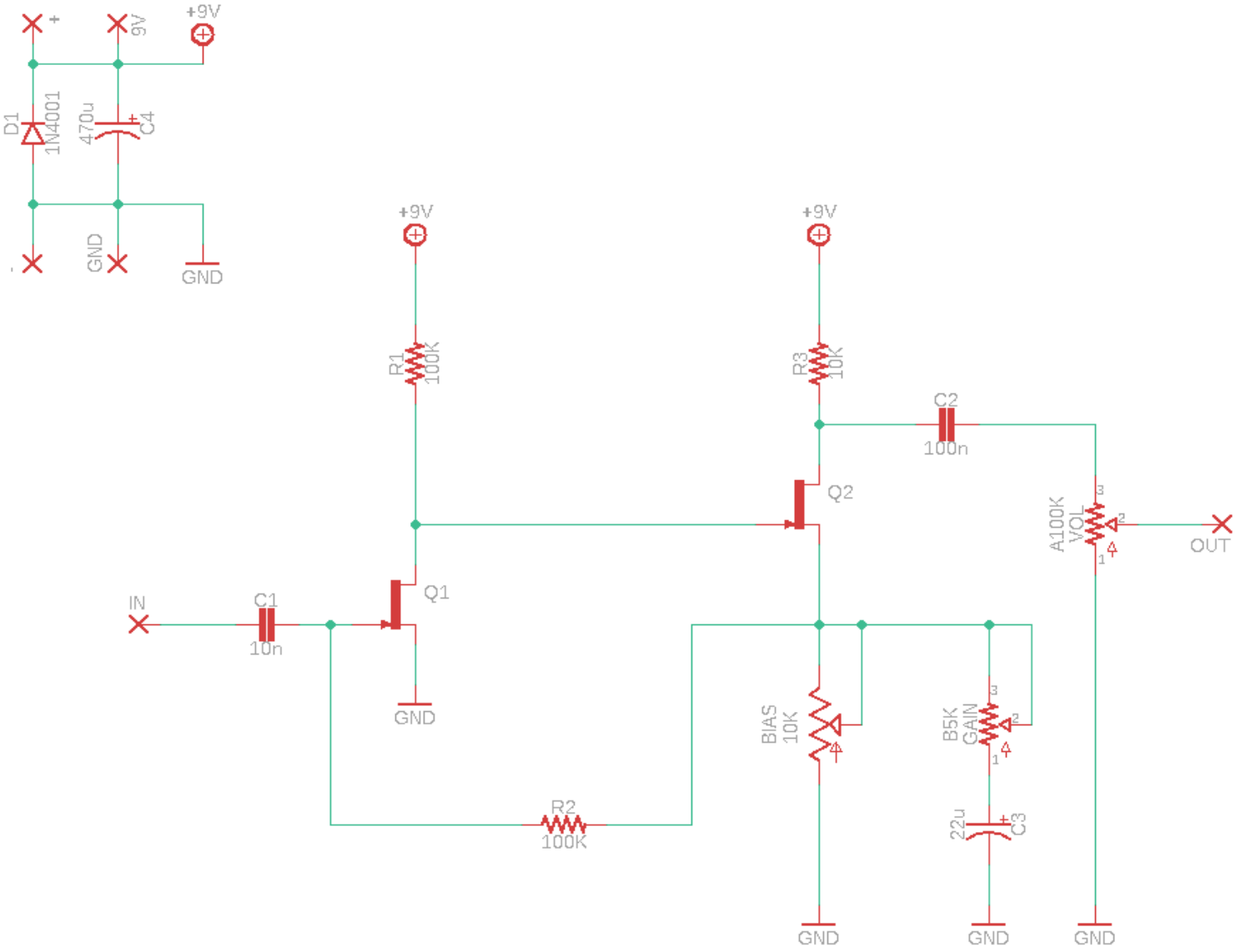
Qty	Value	Parts	Notes
Resistors			
1	10K	R3	
2	100K	R1, R2	
Film Capacitors			
1	10n	C1	
1	100n	C2	
Electrolytic Capacitors			
1	22u	C3	
1	470u	C4	
Semiconductors			
1	1N4001	D1	
1	Mosfet or NPN BJT	Q1	
1	Mosfet, NPN BJT or N-Channel JFET	Q2	
Potentiometers and Switches			
1	10K	BIAS	5mm Trimmer
1	A100K	VOL	
1	B5K	GAIN	Pins 3 and 1 need to be switched

Pinout

The marks on the top are for BJTs and on the bottom for mosfets and jfets



Schematic


+
9V
+9V
D1
1N4001
470u
C4
-
GND
GND
+9V
+9V
R1
100K
R3
10K
C2
100n
Q2
A100K
VOL
OUT
IN
C1
10n
Q1
GND
BIAS
10K
B5K
GAIN
R2
100K
22u
C3
GND
GND
GND

Offboard Wiring